

ABSTRACT

An electronic circuit is connected between input lines of an alternating input power supply and input lines of a boost converter to limit an input inrush current and/or an output short-circuit current supplied to the boost converter in a power supply. The electronic circuit includes a rectifier circuit to rectify alternating input current of the alternating current power supply, and a feedback circuit for feeding back a switching signal to the rectifier circuit circuit to switch the rectifier circuit on and off.